

What is claimed is:

1. A substrate storage case for storing therein a substrate with a top face and a bottom face and having a shape corresponding to the substrate, comprising:

a bottom lid; and

a top lid connected through a hinge to the bottom lid so as to open and close the bottom lid and forming an engagement part between the bottom lid and the top lid, wherein:

lower support parts are disposed in a plurality of positions of the bottom lid, each of the lower support parts being brought in contact with a pair of edges of the substrate on a bottom face side thereof; and

upper support portions are disposed in a plurality of positions of the top lid, each of the upper support parts being brought in contact with a pair of edges of the substrate on a top face side thereof.

2. The substrate storage case according to claim 1, wherein:  
each of the substrate and the substrate storage case is formed in a square shape.

3. The substrate storage case according to claim 2, wherein:  
each of the lower support parts and the upper support parts includes a pair of support portions in contact with the pair of the edges.

4. The substrate storage case according to claim 3, wherein:  
each of the pair of the support portions in each of the lower support parts and the upper support parts includes an oblique face in contact with the edge.

5. The substrate storage case according to claim 1, wherein:  
the lower support parts of the bottom lid and the upper support parts of the top lid are positioned symmetrically with each other and have shapes symmetrical with each other.

6. The substrate storage case according to claim 1, further comprising:

a lock part disposed on a side of the bottom lid lower than a center in the thickness direction of the case to lock the bottom lid and the top lid, wherein:

the hinge is positioned on a side of the top lid higher than the center in the thickness direction of the case.

7. The substrate storage case according to claim 1, wherein:

the engagement part between the bottom lid and the top lid extends obliquely and downwards from the hinge toward the lock part; and

a space is formed under the substrate on a side of the lock part of the bottom lid to insert a finger of an automatic transport arm.

8. The substrate storage case according to claim 2, wherein:

a step portion is provided in an outer face of each of four corners in each of the bottom lid and the top lid, the step portion being configured to come down from the other part.

9. The substrate storage case according to claim 8, further comprising:

a clamp member provided between the step portion of the bottom lid and the step portion of the top lid corresponding to the step portion of the bottom lid, wherein:

the clamp member clamps and also stands the bottom lid and the top lid.

10. The substrate storage case according to claim 1, wherein:

concave and convex portions in the bottom lid and the top lid have round shapes.

11. The substrate storage case according to claim 10, wherein:

each of the bottom lid and the top lid is formed of

conductive plastic.

12. The substrate storage case according to claim 1, wherein:
  - each of the lower support parts is formed integrally with the bottom lid; and
  - each of the upper support parts is formed integrally with the top lid.